

## CLAIMS

1. Access terminal re-routing redundancy capability in point-multipoint radio communication systems, consisting of giving a subscriber access terminal the feature to automatically and autonomously switch from a radio node, to which it is normally connected, to an alternative radio node, usually not dedicated to the redundancy functionality.

2. Re-routing as claimed in claim 1., wherein a redundancy switching logic is provided in said access terminal, apt to automatically switch to the alternative radio node (host radio node) upon failure in the connection, which normally operates between the terminal itself and the home radio node.

3. Re-routing as claimed in any claim 1. and 2., wherein the host radio node is capable to be allocated to other access terminals located in the same sector and has the possibility to bear an additional traffic.

4. Re-routing as claimed in any claim 1. to 3., wherein said alternative radio node is located in the same hub as the radio node with respect to which it has been switched.

5. Re-routing as claimed in any claim 1. to 3., wherein said alternative radio node is located in a hub different than the one where the radio node with respect to which it has been switched is.

6. Re-routing as claimed in claim 5., wherein the access terminal is provided with two antennas directed towards said two different hubs and with a two-ways radio frequency switch, or with a single antenna with electronically routed beams.

**AMENDED CLAIMS**

[received by the International Bureau on 07 December 2000 (07.12.00);  
original claim 1 amended; remaining claims unchanged (1 page)]

1. Access terminal re-routing redundancy capability in point-multipoint radio communication systems for fixed services (FS) and fixed wireless access applications (FWAA), consisting of giving a subscriber access terminal the feature to automatically and autonomously switch from a radio node, to which it is normally connected, to an alternative radio node, usually not dedicated to the redundancy functionality.

2. Re-routing as claimed in claim 1., wherein a redundancy switching logic is provided in said access terminal, apt to automatically switch to the alternative radio node (host radio node) upon failure in the connection, which normally operates between the terminal itself and the home radio node.

3. Re-routing as claimed in any claim 1. and 2., wherein the host radio node is capable to be allocated to other access terminals located in the same sector and has the possibility to bear an additional traffic.

4. Re-routing as claimed in any claim 1. to 3., wherein said alternative radio node is located in the same hub as the radio node with respect to which it has been switched.

5. Re-routing as claimed in any claim 1. to 3., wherein said alternative radio node is located in a hub different than the one where the radio node with respect to which it has been switched is.

6. Re-routing as claimed in claim 5., wherein the access terminal is provided with two antennas directed towards said two different hubs and with a two-ways radio frequency switch, or with a single antenna with electronically routed beams.